

WHAT IS CLAIMED IS

1. A telescoping garage door assembly comprising:

a plurality of interacting panels defining a garage door, each panel of the plurality of panels having a face, and a back the front of each panel defining a first plane and the first planes of the plurality of panels being parallel and in series such that the a first panel defines a top of the garage door and a last panel defines a bottom of the garage door;

a pair of brackets connected to the back of each panel, each bracket having flanges, the plurality of panels being positioned in spaced relation such that the upper flange of each panel interacts with the upper flange of the adjacent panel; and

means for moving the plurality of interacting panels including a framework supporting a plurality of guide rods and a drive mechanism, each panel of the plurality of panels being connected to at least two guide rods by the flanges, the drive mechanism including a pulley system configured for receiving the flanges of the last panel, the pulley system being configured for moving the plurality of interacting panels along the guide rods between an open position and a closed position.

2. The telescoping garage door assembly of claim 1, wherein the bracket

includes an upper flange and a lower flange, the upper flange defining two holes and a lip, the lower flange defining one hole.

3. The telescoping garage door assembly of claim 1, wherein the plurality of guide rods include adjustable stops and guide rod brackets, the stops and guide rod brackets being configured to limit the movement of the plurality of panels.

4. The telescoping garage door assembly of claim 1, wherein the plurality of guide rods are positioned in two rows, each row being aligned with the brackets and perpendicular to the first planes of the panels.

5. The telescoping garage door assembly of claim 2, wherein the plurality of guide rods are positioned in spaced relation such that the holes of the flanges of the plurality of panels are aligned with the plurality of guide rods, the plurality of panels being slidably movable along the plurality of guide rods.

6. The telescoping garage door assembly of claim 1, wherein the plurality of panels includes four panels and the plurality of guide rods includes four pairs of guide rods.

7. The telescoping garage door assembly of claim 1, wherein each of the panels of the plurality of panels has corrugations formed in the panel by a door panel forming machine.

8. The telescoping garage door assembly of claim 1, wherein the drive

mechanism includes a flexible member being positioned around each pulley system, the pulley systems being interconnected and driven by a motive force means, the flexible members including lifting brackets configured for interacting with the upper flanges of the last panel, the means for moving being configured for moving the plurality of panels in the first planes defined by each panel between an open and a closed position by direct contact with the last panel, the direct contact of the lifting bracket with the last panel being configured to sequentially add adjoining panels to the movement of the last panel such that the plurality of panels are moved between the open position and closed position.

9. A telescoping garage door assembly comprising:

a plurality of panels defining a garage door, each panel of the plurality of panels having a face, a back, a top, a bottom, a first side, and a second side, the front of each panel defining a first plane and the first planes of the plurality of panels being parallel, the plurality of panels being arranged in series such that the a first panel defines the top of the door and a last panel defines a bottom of the door;

a pair of brackets connected to the back of each panel, each bracket having flanges including an upper flange and a lower flange, the upper flange and the lower flange defining a plurality of holes, the plurality of panels being positioned in spaced relation such that the upper flange of each panel interacts with

the upper flange of the adjacent panel;

means for moving the plurality of panels including a framework configured for supporting a plurality of guide rods and a drive mechanism, the guide rods being configured for positioning through the plurality of holes defined in the flanges, the means for moving including a pair of pulley systems configured for moving each panel of the plurality of panels along at least two guide rods in the first plane defined by each panel between an open position and a closed position.

10. The telescoping garage door assembly of claim 9, wherein the plurality of guide rods include adjustable stops and guide rod brackets, the stops and guide rod brackets being configured to limit the movement of the plurality of panels.

11. The telescoping garage door assembly of claim 9, wherein the upper flanges have lips.

12. The telescoping garage door assembly of claim 9, wherein the garage door assembly includes a locking mechanism, the locking mechanism being released by upward pressure on the first flanges and initiated by the release of the upward pressure on the first flanges.

13. The telescoping garage door assembly of claim 9, wherein the drive mechanism includes two pairs of interconnected pulley systems, each pulley system having a flexible member, each flexible member including a lifting bracket

configured for interacting with one of the upper flanges of the last panel.

14. The telescoping garage door assembly of claim 9, wherein the means for moving is configured for moving the plurality of panels between an open and a closed position by direct contact with the last panel, the direct contact of a lifting bracket with the lowermost panel being configured to move the last panel and sequentially position the remaining panels between the open position and closed position.

15. The telescoping garage door assembly of claim 9, wherein the plurality of panels include four panels and the plurality of guide rods includes four pairs of guide rods.

16. A telescoping garage door assembly comprising:

a plurality of panels defining a garage door, each panel of the plurality of panels having a face, a back, a top, and a bottom, the face of each panel defining a first plane and the first planes of the plurality of panels being parallel, the plurality of panels being arranged in series such that the a first panel defines the top of the door and a last panel defines the bottom of the door;

a pair of brackets connected to the back of each panel, each bracket having flanges including an upper flange and a lower flange, the upper flange defining two holes and a lip, the lower flange defining one hole, the plurality

of panels being positioned in spaced relation such that the upper flange of each panel interacts with the top of the adjacent panel;

means for moving the plurality of panels including a framework configured for supporting a plurality of guide rods and a drive mechanism,

the framework being configured to support the positioning of the plurality of guide rods, the plurality of guide rods being positioned in rows perpendicular to the first planes of the panels and aligned with the brackets, the plurality of guide rods being positioned in spaced relation such that the guide rods are aligned with the holes defined in the flanges of the respective panels for the movement of the panels along the guide rods between an open and a closed position, and

the drive mechanism including two interconnected pulley systems, each pulley system having a pair of flexible members, the flexible members including lifting brackets configured for interacting with the upper flanges of the lower most panel, the means for moving being configured for moving the plurality of panels between an open and a closed position by the direct contact of the lifting bracket with the last panel, the direct contact of the lifting bracket with the lip of the upper flange of the last panel being configured to move the last panel and sequentially add the moving of the adjoining panels between the open position

and closed position.

17. The telescoping garage door assembly of claim 16, wherein the plurality of panels are moved in the first plane defined by each panel between the open position and closed position.

18. The telescoping garage door assembly of claim 16, wherein each of the panels of the plurality of panels is formed by a door panel forming machine, the panel forming machine defining corrugations in each panel.

19. The telescoping garage door assembly of claim 16, wherein the plurality of guide rods include adjustable stops and guide rod brackets, the stops and guide rod brackets being configured to limit the movement of the plurality of panels.

20. The telescoping garage door assembly of claim 16, wherein the garage door assembly includes a locking mechanism, the locking mechanism being released by upward pressure on the upper flange of the last panel and engaged by the release of the upward pressure on the first flange.